

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Present Application:

Applicants : Christen M. Anderson, et al.
Title : PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR
(ANT), NOVEL ANT LIGANDS AND SCREENING ASSAYS
THEREFOR
Docket No. : 660088.420D6
Date : March 16, 2001

Prior Application:

Examiner : Holly Schnizer, Ph.D.
Art Unit : 1653
Application No. : 09/393,441

Box Patent Application
Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

Commissioner for Patents:

Please amend the above-identified application as follows:

In the Specification:

Amend the specification by deleting the section before the "Technical Field" and inserting a new section as follows:

-- CROSS-REFERENCES TO RELATED APPLICATIONS

This application is a divisional of pending U.S. Patent Application No. 09/393,441, filed September 8, 1999, which application is a continuation-in-part of U.S. Patent Application No. 09/185,904, filed November 3, 1998, and which applications are incorporated herein by reference in their entirety. --

In the Claims:

Please withdraw from consideration claims 1-41, 45-46 and 58-112 without prejudice to the filing of any divisional, continuation, or continuation-in-part application.

Please amend the claims as follows:

42. (Amended) An ANT1 adenine nucleotide translocator polypeptide produced by a method comprising culturing a host cell comprising a recombinant expression construct comprising at least one regulated promoter operably linked to a nucleic acid encoding the ANT1 adenine nucleotide translocator polypeptide.

43. (Amended) An isolated human ANT1 adenine nucleotide translocator polypeptide.

44. (Amended) The isolated polypeptide of claim 43 wherein the human ANT1 adenine nucleotide translocator polypeptide is recombinant ANT1 or a variant or fragment thereof.

47. (Amended) An isolated human ANT1 adenine nucleotide translocator fusion protein comprising an ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence.

51. (Amended) An isolated human ANT1 adenine nucleotide translocator fusion protein comprising an ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence cleavable by a protease, said ANT1 adenine nucleotide translocator polypeptide being separable from the fusion protein by cleavage with the protease.

52. (Amended) An isolated ANT1 adenine nucleotide translocator fusion protein comprising a first polypeptide that is an animal ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence.

56. (Amended) An isolated recombinant animal ANT1 adenine nucleotide translocator fusion protein comprising an ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence cleavable by a protease, said ANT1 adenine nucleotide translocator polypeptide being separable from the fusion protein by cleavage with the protease.

REMARKS

Claims 1-112 are pending in this application. In the present Amendment, applicants respectfully request that claims 1-41, 45-46 and 58-112 be withdrawn without prejudice, such that claims 42-44 and 47-57 are currently pending. The present application is a divisional of U.S. Serial No. 09/393,441, filed September 8, 1999 ("the parent application"), which is a continuation-in-part of U.S. Serial No. 09/185,904, filed November 3, 1998.

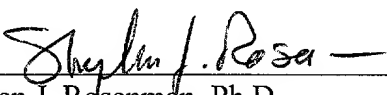
Attached hereto is a marked version of the changes made to the specification by the present amendment. The attached page is captioned **"Version with markings to show changes made."**

Consideration of the present claims is now requested.

Respectfully submitted,

Christen M. Anderson, et al.

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Version with markings to show changes made

In the specification:

The paragraph beginning at page 1, line 3 has been amended as follows:

CROSS REFERENCES TO RELATED APPLICATIONS

This application is a divisional of pending U.S. Patent Application No. 09/393,441, filed September 8, 1999, which application is a continuation-in-part of U.S. Patent Application No. 09/185,904, filed November 3, 1998, and which applications are incorporated herein by reference in their entirety.

In the claims:

42. (Amended) An [ANT] ANT1 adenine nucleotide translocator polypeptide produced by [the] a method [of any one of claims 39-41] comprising culturing a host cell comprising a recombinant expression construct comprising at least one regulated promoter operably linked to a nucleic acid encoding the ANT1 adenine nucleotide translocator polypeptide.

43. (Amended) An isolated human ANT1 adenine nucleotide translocator polypeptide.

44. (Amended) The isolated polypeptide of claim 43 wherein the human ANT1 adenine nucleotide translocator polypeptide is recombinant ANT1 or a variant or fragment thereof.

47. (Amended) An isolated human ANT1 adenine nucleotide translocator fusion protein comprising an ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence.

51. (Amended) An isolated human ANT1 adenine nucleotide translocator fusion protein comprising an ANT1 adenine translocator polypeptide fused to at least one

additional polypeptide sequence cleavable by a protease, said ANT1 adenine nucleotide translocator polypeptide being separable from the fusion protein by cleavage with the protease.

52. (Amended) An isolated ANT1 adenine nucleotide translocator fusion protein comprising a first polypeptide that is an animal ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence.

56. (Amended) An isolated recombinant animal ANT1 adenine nucleotide translocator fusion protein comprising an ANT1 adenine translocator polypeptide fused to at least one additional polypeptide sequence cleavable by a protease, said ANT1 adenine nucleotide translocator polypeptide being separable from the fusion protein by cleavage with the protease.